

## **Modifications Done in Final E-R Diagram:**

**User\_app\_catalogue:** We have modified user\_app\_catalogue entity type as an associative entity having an associate relationship with App and Profile.

**Card Details:** We have Normalised Card\_Details entity type by normalizing Payment Information into two attributes Name\_on\_card and CVV.

**User Information:** We have Normalised User\_Information entity type by normalizing Address into different columns such as Street Name, Apt\_Number, Zip\_Code, State and Country.

**Advertiser and Developer:** We have also removed “Advertises” relation with Developer entity type and now in our ERD we have Advertisement as strong entity.

**App and Reviews:** We have removed attribute “Ratings” from App entity type since it is already mentioned in Reviews, hence avoided redundancy.

**App:** We have renamed ‘age’ from app entity type to ‘Release\_date’.

## FINAL ER DIAGRAM:

